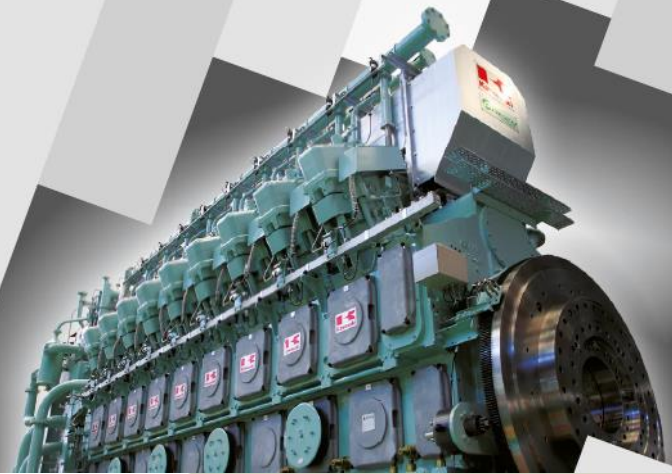
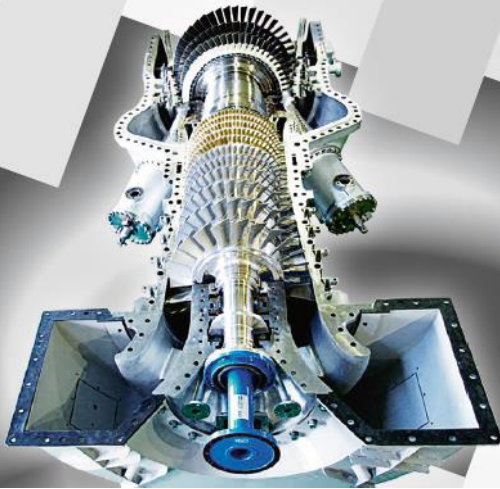


# Two Specialists

## No Compromise



## **KAWASAKI Gas Turbine Europe GmbH**

**Energynomics – 26 August 2021**

 **Kawasaki**  
Powering your potential

# Kawasaki Products & Services

## Kawasaki Gas Turbine Europe · Kawasaki Heavy Industries

Products		Services		
Gas Turbines	Gas Engines	Engineering	Implementation	Maintenance
<b>M1A-17D</b> 1,816 kWel $\eta = 28.1 \%$	<b>KG12</b> 5,200 kWel $\eta = 49 \%$	<b>Concept Engineering</b>	<b>Project Planning</b>	<b>Spare Parts Consumables</b>
<b>M5A-01D</b> 4,720 kWel $\eta = 32.6 \%$	<b>KG18</b> 7,800 kWel $\eta = 49.0 \%$	<b>Detailed Engineering</b>	<b>Customized Packaging</b>	<b>Full Maintenance</b>
<b>M7A-03D</b> 7,810 kWel $\eta = 33.6 \%$	<b>KG18-V</b> 7,800 kWel $\eta = 49.5 \%$		<b>Erection Commissioning</b>	<b>Remote Monitoring</b>
<b>L20A-01D</b> 18,500 kWel $\eta = 34.3 \%$	<b>KG18-T</b> 7,800 kWel $\eta = 51 \%$	<b>Other Services</b>		
<b>L30A-01D</b> 34,300 kWel $\eta = 40.3 \%$				

# KGE cogeneration market – request of electricity and steam / hot water

## Typical applications:

Pulp and paper



Medicines / cosmetics



Refinery / Chemistry



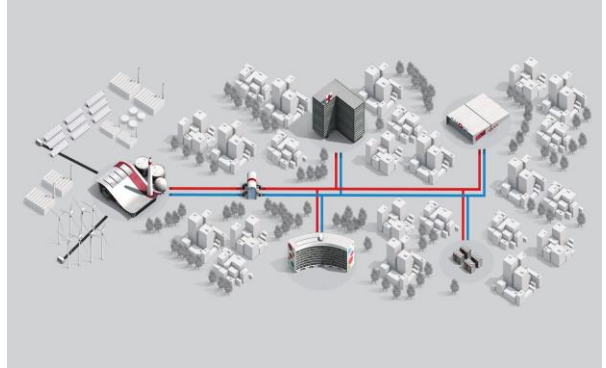
Food and Beverage



Automotive / Tires



District Heating



Universities  
Hotels

Hospitals  
Airports

## Working as one for the good of the planet!

Highly Focusing on Environmental Protection  
and Energy Savings

- **Reduction of emissions**
  - ❖ Global warming gas CO<sub>2</sub>
  - ❖ Harmful gas NO<sub>x</sub>, SO<sub>x</sub>
- **Energy Saving**



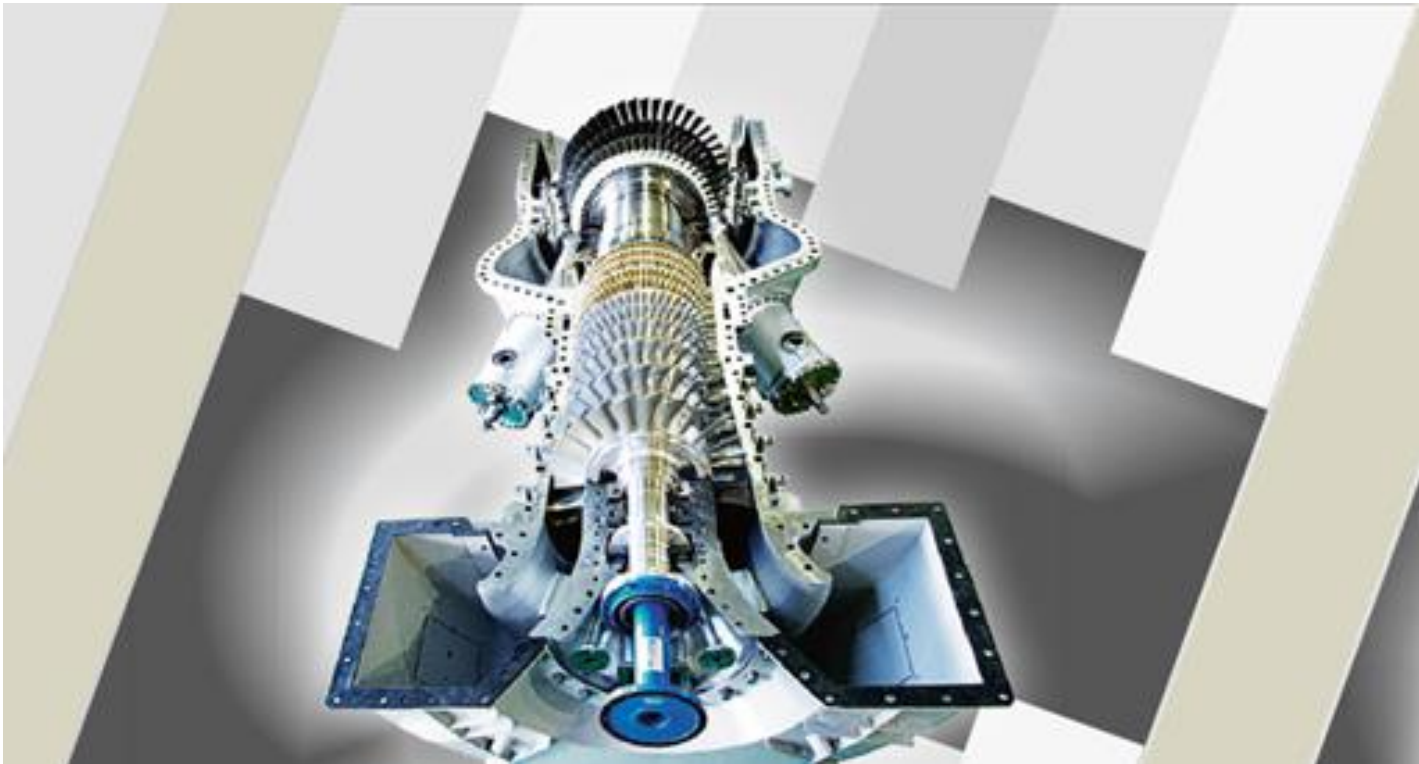
Renewable energy

**Distributed Generator System**

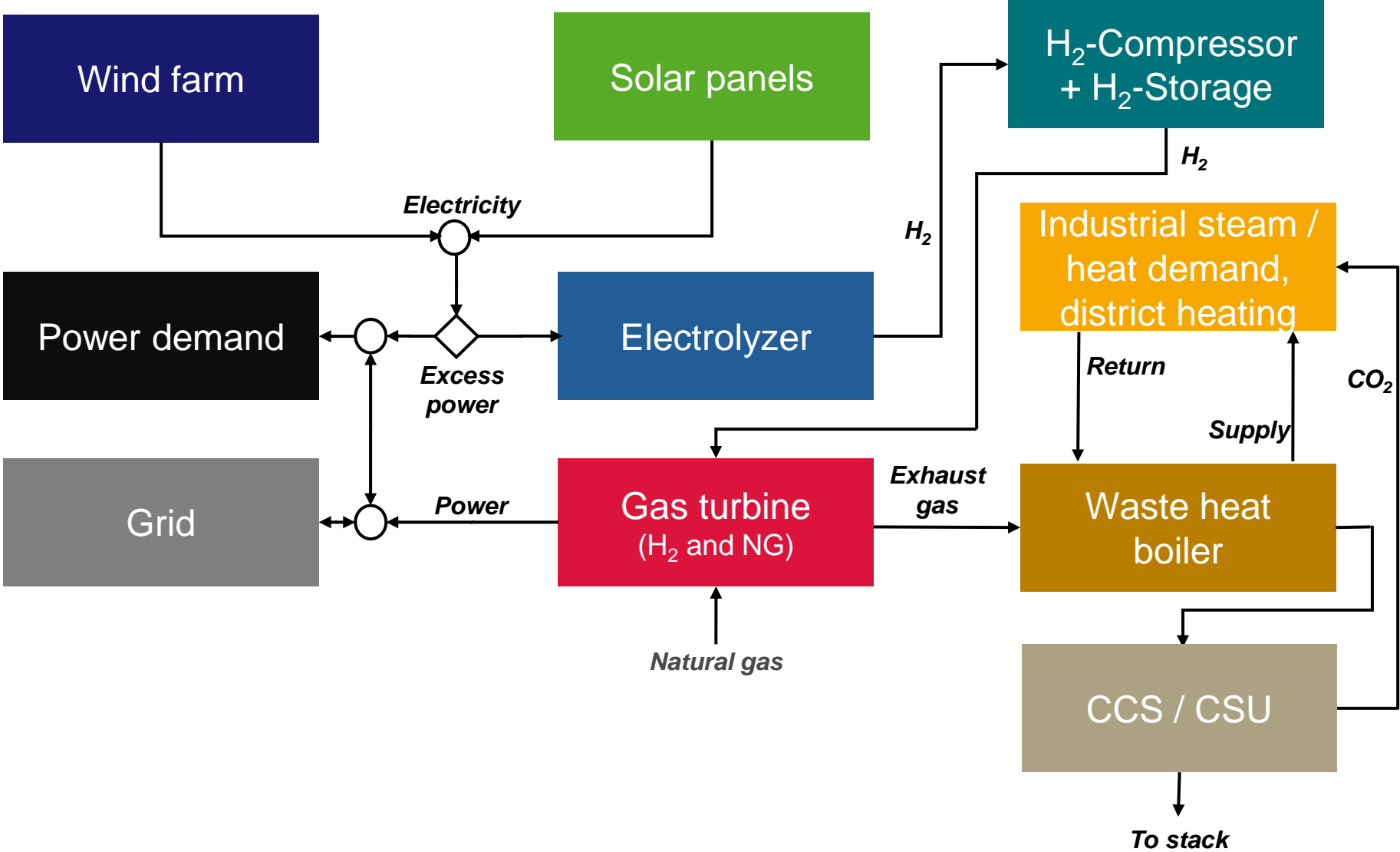
- **Provide highly efficient energy use**
- **Flexible and reliable**  
**to complement unstable renewable energy**

# Alternatives to classic fuel

## Kawasaki Hydrogen Developments



# Future Cogeneration Plants



Kawasaki will pursue "manufacturing that makes the Earth smile."

# “Global Kawasaki”